

GALVESTON LABORATORIES

ID NO. 74-1357683

PH. 409-762-3111

P.O. BOX 1031

GALVESTON, TX 77553

82199

DATE 7/13/94

CUSTOMER ORDER NO.

P.O. #4318-89656

SALESPERSON

VIA

HERCULES MARINE
Drawer "O"
Freeport TX 77541

TERMS

QUANTITY

DESCRIPTION

PRICE

AMOUNT

INSPECTION AND ATMOSPHERIC TESTS ON BARGE TPT 372
PER CERT #82199 dtd 7/13/94:

\$225.00

RECEIVED

JUL 24 1994

**HERCULES OFFSHORE
MARINE DIVISION****HER 03033**

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

IF THE ABOVE DESIGNATIONS are used in the compartment or space so designated, the requirements of Safe for Workers have not been met.

7-13-74

Ship, Hercules

Shell and Oil

Survey Requested by

TMT 200

Vessel Owner or Agent

W.S. Boyer

Date

Hercules 2-11-74

Vessel

Superior 301

Type of Vessel

REEL, C-T, T, X, D, B, H, V

Specific Location of Vessel

1950Hrs

Last Three (3) Cargoes

Tests Performed

Time Survey Completed

Food Kake -

No. 1 Cargo Hold TK

No. 2 Cargo Tank

No. 3 Cargo Tank

No. 1 PHS Wing TK

No. 2 PHS Wing TK

No. 3 PHS Wing TK

No. 4 PHS Wing TK

No. 5 PHS Wing TK

No. 6 PHS Wing TK

After Kake -

SAFE FOR WORKERS

SAFE FOR HOT WORK

LFL: 0% UEL: 30.8%

Note: Use fire watch for hot work

Use forced ventilation for entry!

HER 03034

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NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____
Name _____ Company _____

7/13/74

Signed _____
Name _____ Marine Chemist _____

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Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS